

**A SYSTEM AND METHOD FOR LENS FILTER
EMULATION IN DIGITAL PHOTOGRAPHY**

ABSTRACT OF THE DISCLOSURE

The present invention is directed to a system and a methodology for including software controlled filtering effects in digital cameras to reduce the need for physical filters. Filtering effects emulated by the software include technical filters, correction filters and effects filters. The invention includes an input system which allows the user to select various filtering effects, preview the filtered image and record the filtered image in a lossy compressed file format. The input system may consist of a hierarchical menu system, touch screens, voice activation, pointing devices or a round robin mechanism. In addition, the input system includes an ability for the user to indicate a selection has been made such as an enter key or a selection completion signal.

5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95